

# FACSIMILE

CONFIDENTIAL PHRASES

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**REQUESTOR NUMBER:**

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**CLIENT MATTER:**

306518-2016

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**DATE:**

February 23, 2009

**RE:**

S/N 10/522,566 (Docket No. ALLE--012/00US)

**COMMENTS:**

Examiner Pathak

Further to our discussion this morning, I enclose proposed amendments to claims 1-10 for consideration by you and your supervisor.

I do not have authorization to keep in the "fractal" limitation in claim 1, and am seeking guidance from my client. (Please bear in mind that my client is in Australia, so best case I would have an answer tomorrow.) I thought it would still be productive to send the proposed amendments to you so that we can identify any other aspects of the amendments that may be an issue.

I appreciate your flexibility and patience in working through this issue.

Scott Talbot  
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**Listing of Claims**

1. (Currently amended) A method of placing pilot symbols in a data stream for telecommunications systems, the data stream including a data packet, comprising:  
distributing the pilot symbols in time in a manner fractal in nature using a range of  
different intervals between symbol  
placing the pilot symbols with irregular spacing within a first level group;  
repeating the irregular spacing in a plurality of such first level groups; and  
placing the first level groups with irregular spacing within a second level group.
- 2-5. (Cancelled)
6. (Currently amended) The method of claim 1, wherein the distributing further includes:  
repeating the irregular spacing between the L0 first level groups in a plurality of L1  
second level groups across the data packet; and  
placing the L1 second level groups with irregular spacing within a third level group (L2  
level).
7. (Currently amended) The method of claim 6, wherein each L0 first level group has length A, each L1 second level group has length B, and the L2 third level group has length C, the pilot symbol distribution selected such that the ratio A:B is approximately equal to the ratio B:C.
8. (Previously presented) The method of claim 1, wherein ~~the distributing includes distributing the pilot symbols in time using a range of different intervals such that the pilot symbols extend across substantially the entirety of the data packet.~~
9. (Cancelled)

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10. (Currently amended) A signal processing device for use in a communications system, the signal processing device comprising:

a data source configured to generate a data stream for telecommunications systems; and  
a pilot symbol placer configured to place pilot symbols in the data stream in accordance with the method of claim 1, ~~such that the pilot symbols are spaced in time in a manner fractal in nature using a range of different intervals between symbols.~~

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